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Notice of Allowability	Application No.	Applicant(s)	
	10/647,003	MURATA, MASAMI	
	Examiner	Art Unit	
	Son M. Tang	2632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/28/06.
2. ☒ The allowed claim(s) is/are 2,4 and 6-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>3/17/06</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gerald T. Shekleton on 3/17/06.

The application has been amended as follows:

In the list of claims,

2. (Currently amended) A movement detection sensor comprising:
 - a void formed by a partition wall made of a non-magnetic material;
 - a magnetized rolling member sealed in an interior of the void; and
 - an opening that is provided through the partition wall and communicates from the interior of the void to outside of the void;
 - a magnetic sensor wall inserted into the opening with a detection end thereof directing toward the interior of the void,
 - wherein the void is formed so that the whole inner wall of the void is in smooth spherical or regular polyhedrons form, and the rolling member is a sphere or a regular polyhedron;
 - an amplifying circuit that amplifies an output signal of the magnetic sensor in the movement detection sensor; and
 - a transmitting circuit that radio-transmits a detection signal amplified in the

amplifying circuit.

3. (Cancelled).

4. (Currently amended) A movement detection sensor comprising:

a void formed by a partition wall made of a non-magnetic material',

a magnetized member sealed in the interior of the void;

a hole that is provided through the partition wall and communicates from the interior of the void to outside of the void;

a visco-elastic body which is filled into the void so as to abut against the magnetic member to hold the magnetic member in a predetermined position; and

a magnetic sensor inserted into the hole with a detection end thereof directing toward the interior of the void;

a differentiating circuit that differentiates an output signal of the magnetic sensor in the movement detection sensor and calculates an acceleration having a main component in a predetermined direction to generate a second output signal;

an amplifying circuit that amplifies an the second output signal to generate a detection signal; and

a transmitting circuit that radio-transmits a the detection signal amplified in the amplifying circuit.

5. (Cancelled).

6. (Currently amended) A movement detection device comprising:
 - the movement detection device according to claim 2 ~~3~~; and
 - a microcomputer that stores and judges a the detection signal amplified in the amplifying circuit of the movement detection device.

7. (Currently amended) A movement detection device comprising:
 - the movement detection device according to claim 4 ~~5~~; and
 - a microcomputer that stores and judges the detection signal amplified in the amplifying circuit of the movement detection device.

8. (Currently amended) A movement detection device comprising:
 - the movement detection device according to claim 2 ~~3~~; and
 - a radio wave receiver attached to the movement detection device, that receives radio waves,
 - wherein the radio wave receiver receives radio waves from a radio wave transmitter positioned at a predetermined distance from the movement detection device, and the movement detection device begins operations when a field intensity of the received radio waves falls below a predetermined value.

9. (Currently amended) A movement detection device comprising:
 - the movement detection device according to claim 4; ~~5~~; and
 - a radio wave receiver attached to the movement detection device, that receives

radio waves,

wherein the radio wave receiver receives radio waves from a radio wave transmitter positioned at a predetermined distance from the movement detection device, and the movement detection device begins operations when a field intensity of the received radio waves falls below a predetermined value.

12. (Currently amended) A movement detection device comprising:

the movement detection device according to claim ~~2~~ 3;

a temperature sensor that detects the temperature of a detection subject', and

an attachment tool that attaches the movement detection device and the temperature sensor to the detection subject.

13. (Currently amended) A movement detection device comprising:

the movement detection device according to claim ~~4~~ 5;

a temperature sensor that detects the temperature of a detection subject; and

an attachment tool that attaches the movement detection device and the temperature sensor to the detection subject.

2. The following is an examiner's statement of reasons for allowance: The present invention is directed to a movement detection sensor. Each independent claim identifies the uniquely distinct features "a void form so that the whole partition inner wall is smooth spherical made of a non-magnetic material, a magnetized rolling member sealed in an interior of the void, and an

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opening that is provided through the partition wall and communicates from the interior of the void to outside of the void” and “a transmitting circuit that radio-transmits a detection signal” in combination with the manner claimed. The closest prior art(s) Lekholm et al. [US 4,869,251] and Dalen et al. [US 5,183,056] disclose similarly inventions, however, they fail to show the distinct limitation above. Therefore, either singularly or in combination of prior arts, fail to anticipate or render the above underlined limitations obvious.

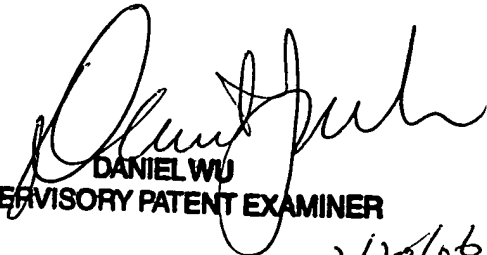
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son M. Tang whose telephone number is (571)272-2962. The examiner can normally be reached on 4/9 First Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Daniel J. Wu can be reached on (571)272-2964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Son Tang


DANIEL WU
SUPERVISORY PATENT EXAMINER
3/20/06